

Title (en)
ARTICLE STORAGE FACILITY

Title (de)
EINRICHTUNG ZUR ARTIKELLAGERUNG

Title (fr)
INSTALLATION DE STOCKAGE D ARTICLES

Publication
EP 2277808 A1 20110126 (EN)

Application
EP 09731295 A 20090115

Priority

- JP 2009050474 W 20090115
- JP 2008103926 A 20080411

Abstract (en)

An article storage facility is provided, which can reduce required space for installation in the rack fore and aft direction while preventing the configuration to become more complex. An article storage rack 2 having a plurality of storage units 1 arranged in a vertical direction and in a lateral direction, and an article transport device 4 which can transport articles 3 to each storage unit 1 in the article storage rack 2 are provided. The article transport device 4 consists of a movable body 12 movable in the rack lateral width direction of the article storage rack 2, a vertical movement guiding mast 13 movable in the rack fore and aft direction of the article storage rack 2 with respect to the movable body 12, and an article support 14 which is movable to a projected position for article transfer for the storage unit 1 and to a pulled back position away from the storage unit 1 by a movement of the vertical movement guiding mast 13 in the rack fore and aft direction and which is guided and supported by the vertical movement guiding mast 13 for vertical movement.

IPC 8 full level
B65G 1/04 (2006.01); **H01L 21/677** (2006.01)

CPC (source: EP KR US)
B65G 1/137 (2013.01 - KR); **B65G 1/1373** (2013.01 - KR); **H01L 21/67724** (2013.01 - KR); **H01L 21/67727** (2013.01 - KR); **H01L 21/6773** (2013.01 - KR); **H01L 21/67769** (2013.01 - EP KR US); **B65G 2201/0297** (2013.01 - EP KR US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2277808 A1 20110126; **EP 2277808 A4 20130918**; **EP 2277808 B1 20151111**; CN 101998926 A 20110330; CN 101998926 B 20130619; JP 2009256004 A 20091105; JP 5234328 B2 20130710; KR 101350252 B1 20140110; KR 20100136497 A 20101228; SG 189765 A1 20130531; TW 200942468 A 20091016; TW I441764 B 20140621; US 2011158776 A1 20110630; US 8814490 B2 20140826; WO 2009125616 A1 20091015

DOCDB simple family (application)
EP 09731295 A 20090115; CN 200980112704 A 20090115; JP 2008103926 A 20080411; JP 2009050474 W 20090115; KR 20107022754 A 20090115; SG 2013026497 A 20090115; TW 98101888 A 20090119; US 93698409 A 20090115